

City and County of Honolulu
Consent Decree
Civil No. 94-00765 DAE-KSC

Annual Meeting 2014

May 15, 2014

Year Four Update

July 1, 2013 through June 30, 2014

Project		Due Date	Status
Parallel Dry Force Main Construction	Lualua Lei	12/31/13	completed 11/22/13
FM Condition Assessment Follow Up Action Plan	Old Hart Street FM (replace connectoin and new valves)	12/31/13	completed 12/27/13
FM Condition Assessment Reports	Awa Street	12/31/13	submitted 12/30/13
	Kaneohe Bay #3		
	Kunia		
	Kailua Road		

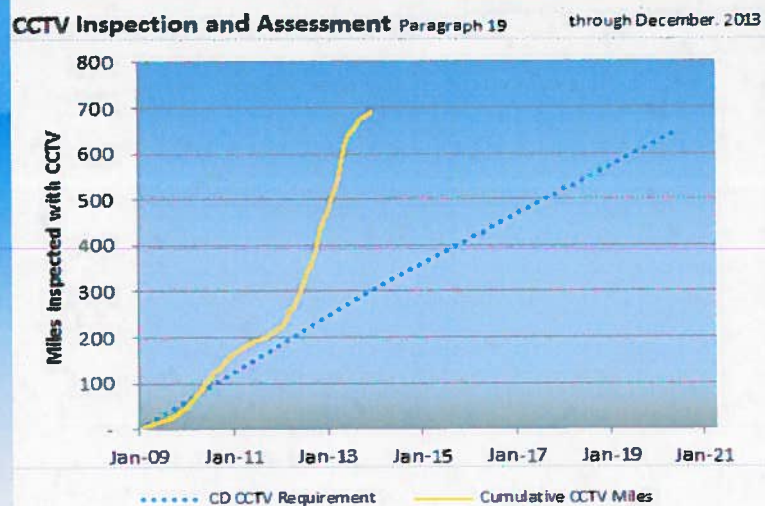
TWO
FOR
2014

Gravity Main Condition Assessment Program (Paragraph 19)

- Requirement
 - Gravity Main Condition Assessment
 - 300 miles by 12/17/2013
 - 650 miles by 6/30/2020

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CCTV Inspection and Assessment to date



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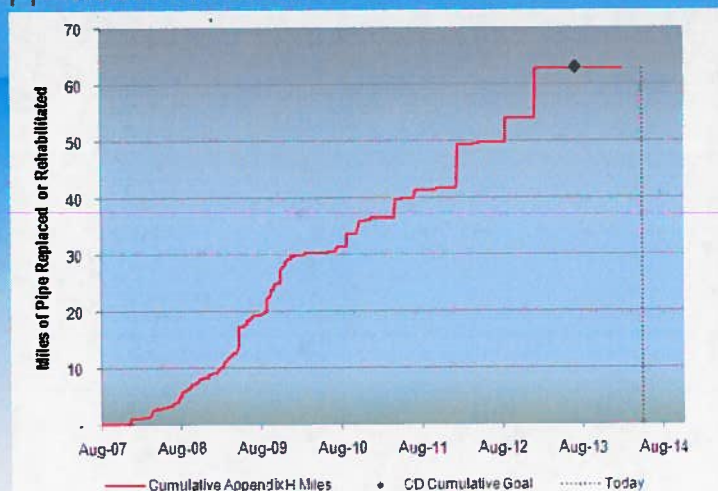
Gravity Main Repair and Replacement Program (Paragraph 20)

- Requirement
 - 63 miles by 06/30/2013
 - 144 miles by 06/30/2020
 - 11.5 miles/year (Years 4-9)
 - 12 miles/year (Year 10)

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R/R Program to Date Years 1 - 3

- Appendix H Miles Rehab



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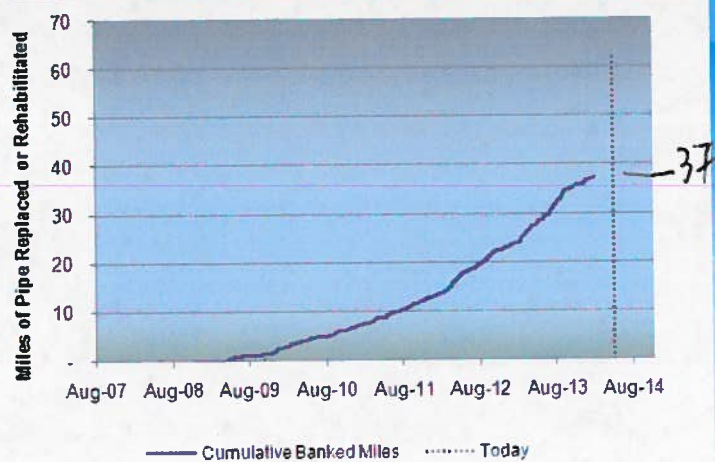
R/R Plan

1. Identify and Inspect Gravity Sewers
2. Quality Assurance and Quality Control of Inspection Data
3. Automated Decision Process Assessment
4. Engineer Review of Results
5. Planning, Prioritizing, and Implementing Rehabilitation and Replacement

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R/R Program to Date

- Banked Miles Rehab to date



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R/R Program to Date Year 4

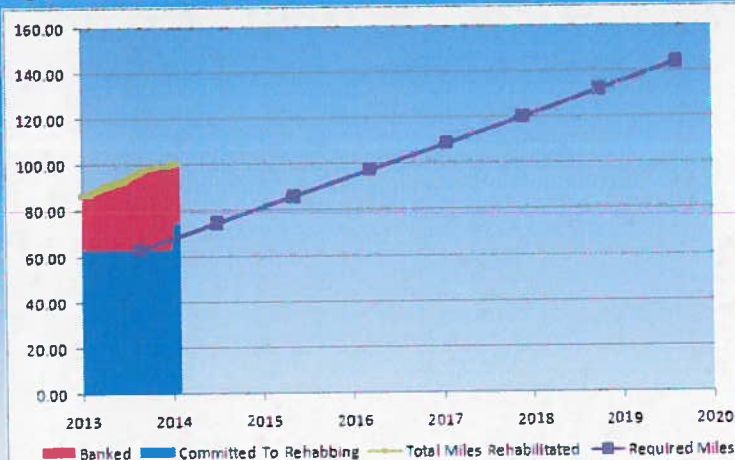
- Total Banked miles to date – 37 miles
 - End of year Three June 30 2013 – 22 miles banked
 - Added an additional 15 miles to the bank to date
- End of year four June 30, 2014 will be subtracting 11.5 miles from the bank.
- Total Banked Miles – 11.5 miles (year four requirement) = Balanced Banked miles forward

WILL SUBTRACT
FROM BANK
IN YEAR 4

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R/R Program to Date

- Cumulative Miles Rehabbed



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Waimalu Flow Diversion Plan

- Revised Diversion Plan Schedule
 - December 31, 2014, Construction NTP
 - September 30, 2016, Complete Construction
- Status – Construction Bid Opening scheduled on May 22, 2014 (Re-bid)
- Activities Causing Revised Schedule
 - April 18, 2013 - Original Bid Opening
 - November 1, 2013 - Solicitation Cancelled due to bid protest
 - March 3, 2014 - Project repackaged and re-bid

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Waimalu Flow Diversion Plan

- Waimalu FM CAR – Follow Up Action Plan
 - Rehab work at air bleeder assembly, at exist FM sta. 388+54 - 12/31/16
 - Time extension request approved on January 13, 2014
 - Work to be completed after back up FM commissioning
 - FM CCTV from discharge MH - 12/31/16
 - Time extension request approved on January 13, 2014
 - Work to be completed after back up FM commissioning
 - Cast iron condition assessment report – Eliminated
 - Elimination request approved on January 13, 2014
 - Work to be eliminated due to replacement of existing cast iron segment by back up FM project

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Cathodic Protection Systems

- Ala Moana FM # 2 – 12/17/2013
 - System energized - December 9, 2013
- Pearl City FM– 6/17/2014
 - Construction on-going
 - Submitted Time extension request November 15, 2013
 - Time extension approved January 13, 2014

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Cathodic Protection Systems

- Waipahu FM – 12/17/2013
 - Submitted Time Extension request on November 15, 2013
(Supplemental information provided on February 28, 2014)
 - Multi-agency jurisdiction over restricted site
 - Access for system repair granted in May 2013
 - Repairs made (segment isolation, joint bonding, continuity, test stations)
 - Existing anodes depleted

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Cathodic Protection Systems

– Waipahu FM – 12/17/2013

- Status
 - Anode system replacement designed
 - Jurisdictional assessments for responsible agency
 - Request for permit and approval requirements sent to Navy on February 14, 2014
 - Awaiting feedback on permit and approval requirements
 - » Navy POC replaced
 - » Met with the Navy on May 14, 2014

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Ala Moana FM# 3 and 4

- Construction on-going
- Pit construction – complete
 - Open cut on-going at WWTP and WWPS
 - Tunneling operation on-going
 - Anticipate meeting completion milestone of December 31, 2014.
- Challenges (potential impact to completion)
 - Initial tunneling delayed due to Beachwalk FM delays
 - Complex tunneling across Honolulu Harbor

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Kaneohe/Kailua Tunnel Projects

- Tunnel and KIPS – 6/30/2018
 - Tunnel and connections within Kaneohe PTF and Kailua WWTP
 - Construction NTP issued January 6, 2014
 - Tunnel Influent Pump Station and Headworks Facility within Kailua WWTP
 - Design Ongoing
 - Advertise, Winter 2014
 - Construction NTP, Spring 2015

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Kaneohe/Kailua Tunnel Projects

- KK INFLUENT PUMP STATION*
- Tunnel and KIPS – 6/30/2018
 - Challenges (Potential Impact to Completion)
 - Original June 30, 2018 completion was optimistic, no float
 - Bid protests delayed award approx 3 month
 - Supplemental Condition Assessment for KK Force Main -12/31/14
 - Field Work Complete
 - Reviewing Draft Report

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*SHOULD
BE
INTERESTING
KEN
MENTIONED
POSSIBLE
CONDITION
ISSUES*

I/I Projects (Par 18c.-e.)

– Para. 18.c, Complete by December 31, 2013

- 14 projects required
- 14 projects completed

– Para. 18.d, Complete by December 31, 2014

- 10 projects required
- 9 projects completed
- 1 project remaining; in construction

← (MILILANI HEADWORKS
UPGRADE PROJ)

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I/I Projects (Par 18c.-e.), cont'd.

– Para. 18.e, Complete by December 31, 2016

- 20 CD projects required; consolidated into 12 DDC projects
- 6 DDC projects remaining
 - 1 planning phase
 - 3 design phase
 - 2 construction phase
- Filemaker Pro Presentation (see separate slide)

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Wet Weather I/I Assessment Update

- Final Deferred Projects Report – 11/30/2013
 - Submitted November 27, 2013
 - Received EPA Comments April 2, 2014
 - Working on addressing the comments
- Final Wet Weather I/I Assessment Update Report – 12/31/2013
 - Submitted December 30, 2013; not subject to approval
- Para. 18.g tasks for WW I/I Assessment Update completed
- Hydraulic Flow Model tool developed and in use for appropriate decision-making

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Sand Island and Honouliuli Treatment Plant Updates

- Secondary Upgrades
 - Facility Planning on-going
 - Sand Island WWTP and Basin
 - Honouliuli WWTP and Basin
 - HN WWTP Secondary Upgrade
 - Selection process on-going for Planning/Design Consultant
 - FY13 and FY14 Planning Funds appropriated

RECOMMEND
SITE LAYOUT
OUT TO PUBLIC
FALL 2014

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Questions?